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AMENDMENTS TO THE CLAIMS:

1.   (Previously presented) A computer-implemented method of indexing data blocks

according to a collection of subject words, comprising:

       constructing a N-dimensional coordinate space, wherein N is a cardinality of the

collection of subject words.

2.   (Original) The method of claim 1, further comprising:

       traversing data block links leading to discovery of cross-subject affinities.

3.   (Original) The method of claim 1, further comprising:

       determining a closeness of any two data blocks in said database.

4.   (Original) The method of claim 3, wherein said determining is performed according to an

equation comprising:

$$D(p_1, p_2) = \sqrt{S_D (p_{1_D} - p_{2_D})^2}$$

where D is a data block and p1, p2 are points in the N-dimensional space and S is a summation.

5.   (Original) The method of claim 1, wherein affine documents are determined to be in

closer proximity than non-affine documents in a mapping to N-space coordinates.

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6.   (Original) The method of claim 1, wherein all dimensions of said N-dimension coordinate space are considered.

7.   (Original) The method of claim 1, wherein said data blocks comprise documents, said method further comprising:

building a term-by-document matrix and using all of the terms in N- dimensions in the coordinate space.

8.   (Original) The method of claim 7, further comprising:

utilizing a column term in the term-by-document matrix as a vector.

9.   (Original) The method of claim 1, further comprising:

measuring a distance function between data blocks, wherein said distance function is representative of an affinity between two data blocks.

10.   (Original) The method of claim 1, further comprising:

building a proximity list for each data block.

11.   (Original) The method of claim 1, further comprising:

navigating through data blocks based on a content of said data blocks, said navigating being performed by selectively moving from one page to another without traversing a hypertext link.

12.   (Original) The method of claim 1, wherein said data blocks comprise any of Web pages,

images, and database entries indexed such that each data block resides in a specific point in the

N-dimensional coordinate space, and

      wherein a placement of the data blocks in the coordinate space is performed such that

data blocks which are relatively closer to each other are related to a same subject.

13.   (Original) The method of claim 10, wherein the proximity list is ordered in ascending

order of proximity, with a closest point being listed first.

14.   (Original) The method of claim 10, further comprising reordering the proximity list by

changing a coordinate of a current location.

15.   (Original) The method of claim 10, wherein the proximity list is changed when a current

position is changed to a position of a visited data block.

16.   (Original) The method of claim 10, wherein a user selectively follows one of a link from

a data block and follows an item in the proximity list, to navigate independently of links found in

other data blocks.

17.   (Original) The method of claim 1, wherein said data blocks are selectively traversable by

using hypertext links and by not using hypertext links.

18-21. (Canceled)

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22.　　(Previously presented)　A computer-implemented method for indexing a database,

comprising:

　　　constructing a coordinate system; and

　　　mapping documents of said database into the coordinate system to determine a physical

closeness of first and second documents of said database.

23.　　(Previously presented)　A computer system for indexing data blocks according to a

collection of subject words, comprising:

　　　a construction unit for constructing a N-dimensional coordinate space, wherein N is a

cardinality of a collection of subject words.

24.　　(Original)　The system of claim 23, further comprising:

　　　traversing data block links leading to discovery of cross-subject affinities.

25.　　(Original)　The system of claim 23, further comprising:

　　　a determining unit for determining a closeness of any two data blocks in said database.

26.　　(Original)　The system of claim 25, wherein said determining by said determining unit is

performed according to an equation comprising:

$$D(p_1, p_2) = \sqrt{S_D (p_{1D} - p_{2D})^2}$$

where D is a data block and p1, p2 are points in the N-dimensional space and S is a summation.

27.   (Original) The system of claim 25, wherein affine documents are determined by said

determining unit to be in closer proximity than non-affine documents in a mapping to N-space

coordinates.

28.   (Original) The system of claim 23, wherein all dimensions of said N-dimension

coordinate space are considered.

29.   (Original) The system of claim 23, wherein said data blocks comprise documents, said

construction unit comprising:

        a unit for building a term-by-document matrix and using all of the terms in N- dimensions

in the coordinate space.

30.   (Original) The system of claim 29, further comprising:

        means for utilizing a column term in the term-by-document matrix as a vector.

31.   (Original) The system of claim 23, further comprising:

        a measuring unit for measuring a distance function between data blocks, wherein said

distance function is representative of an affinity between two data blocks.

32.   (Original) The system of claim 23, further comprising:

        a unit for building a proximity list for each data block.

33.   (Original) The system of claim 23, further comprising:

a navigation unit for navigating through data blocks based on a content of said data

blocks, said navigating being performed by selectively moving from one page to another without

traversing a hypertext link.

34.   (Original) The system of claim 23, wherein said data blocks comprise any of Web pages,

images, and database entries indexed such that each data block resides in a specific point in the

N-dimensional coordinate space, and

wherein a placement of the data blocks in the coordinate space is performed such that

data blocks which are relatively closer to each other are related to a same subject.

35.   (Original) The system of claim 32, wherein the proximity list is ordered in ascending

order of proximity, with a closest point being listed first.

36.   (Original) The system of claim 32, further comprising:

a reordering unit for reordering the proximity list by changing a coordinate of a current

location.

37.   (Original) The system of claim 32, wherein the proximity list is changed when a current

position is changed to a position of a visited data block.

38.   (Original) The system of claim 32, wherein a user selectively follows one of a link from

a data block and follows an item in the proximity list, to navigate independently of links found in

other data blocks.

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39.   (Original) The system of claim 32, wherein said data blocks are selectively traversable by using hypertext links and by not using hypertext links.

40-43. (Canceled)

44.   (Previously presented) A computer system for indexing a database, comprising:

a unit for constructing a coordinate system; and

a mapping unit for mapping documents of said database into the coordinate system to determine a physical closeness of first and second documents of said database, wherein indexing said database is performed according to a collection of subject words, such that said coordinate system comprises an N-dimensional coordinate space, wherein N is a cardinality of the collection of subject words.

45.   (Previously presented) A signal-bearing medium tangibly embodying a program of machine- readable instructions executable by a digital processing apparatus to perform a computer-implemented method of indexing data blocks according to a collection of subject words, said method comprising:

constructing a N-dimensional coordinate space, wherein N is a cardinality of a collection of subject words.

46.   (Canceled)

47.   (Previously presented) A signal-bearing medium tangibly embodying a program of

machine- readable instructions executable by a digital processing apparatus to perform a

computer-implemented method of indexing a database, said method comprising:

constructing a coordinate system; and

mapping documents of said database into the coordinate system to determine a physical

closeness of first and second documents of said database , wherein indexing said database is

performed according to a collection of subject words, such that said coordinate system comprises

an N-dimensional coordinate space, wherein N is a cardinality of the collection of subject words.

48.   (Previously presented) The method of claim 1, wherein each data block represents a

document and each said document is represented as a vector which has a position in the

N-dimensional coordinate space of N subject words, such that a relationship is independent of

any other document.

49.   (Previously presented) The method of claim 1, wherein each data block represents a

document and wherein a document can be added to the coordinate space without impacting a

measurement of any other document.

50.   (Previously presented) The system of claim 23, wherein each data block represents a

document and each said document is represented as a vector which has a position in the

N-dimensional coordinate space of N subject words, such that a relationship is independent of

any other document.

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51.   (Previously presented) The system of claim 23, wherein each data block represents a

document and wherein a document can be added to the coordinate space without impacting a

measurement of any other document.

52.   (Previously presented) The system of claim 44, wherein each said document is

represented as a vector which has a position in an N-dimensional coordinate space of N subject

words, such that a relationship is independent of any other document.

53.   (Previously presented) The system of claim 44, wherein a document can be added to the

coordinate system without impacting a measurement of any other document.

54.   (Previously presented) The medium of claim 45, wherein each data block represents a

document and each said document is represented as a vector which has a position in the

N-dimensional coordinate space of N subject words, such that a relationship is independent of

any other document.

55.   (Previously presented) The medium of claim 45, wherein each data block represents a

document and wherein a document can be added to the coordinate space without impacting a

measurement of any other document.